DEFENDER

Rugged IP-68 Smartphone

Quick Start Guide

www.thetoughphone.com

Foreword

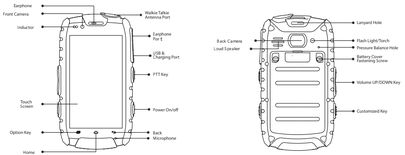
Congratulations on purchasing the Defender, a premium rugged smart phone.

The Defender allows you to work and play in all conditions while still offering the latest in mobile technology. Its robust chassis and toughened glass combined with its IP-68 certification ensure no dust or water ingress. The Android OS is perfect for lone worker solutions or workforce management alongside its NFC connectivity. The 8MP camera, 1.2Ghz quad core processor and 4GB of on board memory support the demands of the modern user in any environment. Get in touch with us for more information on apps available for your Defender.

This manual provides a basic overview of the Defender and its features. Please read carefully through all instructions to ensure proper use of the phone.

The images shown in this manual are schematic pictures for reference only.

Overview



1. Installing The Battery

Open cover as pictured below, push the battery in bottom first until in place.
Next insert the battery cover ensuring the two tabs at the bottom are aligned.
Finally tighten the two battery cover screws using a coin, be careful not to over tighten these.

2. Charging

Open the phone's USB rubber plug. See right picture.
Insert the data cable to the USB port and begin charging.

Insert the charger carefully. Please ensure you insert the charger the correct way round.
Do not force the charger into the port. Damaged caused to the charger port and or charger is not covered by warranty.

Once fully charged disconnect the charger and make sure you replace the covering rubber plug to ensure waterproof and dust proof.

Do not remove battery before disconnecting the charger, it may damage the device.

The following rules help prolong battery life.

New batteries or long-term unused batteries require a full charge before use.
Do not charge the battery in extreme temperatures.

After long-term use, the battery will gradually wear and require longer time to charge, this is typical. However, if the normal talking time is reduced after normal charging, or the charging time increases, you need to buy a replacement Defender battery.

If handset has been turned off for a while it may take time for charge screen to appear, This is normal, allow 30mins charging.
After charging handset please ensure that you replace the USB rubber plug over the charging port to ensure waterproof.

Any form of battery short-circuit may cause serious fault.

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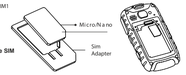
3. Insert SIM card and MicroSD memory card.

Defender has a three-slot vertical overlay sim tray, from top to bottom, there is SIM1, SIM2 and Micro SD card slot

If you need to place a Micro or a Nano sim into the sim card slots you will need an adapter to make the sim the correct size Please see diagram on the right. The adaptors can be purchased from high street phone shops. Alternatively you can contact your network provider. They should be able to swap your exisiting sim to the correct size.

Open the battery cover then after removing the battery, Micro SD
card can be inserted directly into the first card slot, then SIM2 and finally SIM1



The SIM card is tiny so please do not allow children to handle the SIM in order to avoid swallowing.

4. Basic keys

Power key

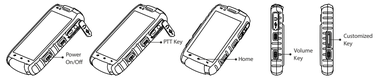
1. To turn the handset off or on. Press and hold the power button for a few seconds.
2. Pressing the power button quickly will lock the screen. You will still be able to receive incoming alerts.
3. Pressing the power button while the phone is ringing will mute the ringtone.

PTT button: When using the walkie talkie, hold this key to talk and transmit.

Volume button: Volume control in call, music and video volume. Press up for louder and down for quieter.

Customized button: Customized function button can be customised. (Contact the manufacturer)

Home Button: Press the HOME key to return to the main screen.



5. Walkie Talkie Instructions

Before you use the walkie talkie, you need install the walkie talkie antenna.

1. Work frequency

The walkie talkie has been setup to work on the following frequencies:
446.00625Mhz, 446.01875Mhz, 446.03125Mhz, 446.04375Mhz
446.05625Mhz, 446.06875Mhz, 446.08125Mhz, 446.09375Mhz

2. Installing the walkie talkie antenna

Install the walkie talkie antenna.
Open the walkie talkie antenna port , screw the antenna into the port.

3. Basic Information and settings

Launch the walkie talkie interface from main menu, click SET VALUES and set the walkie talkie parameter

Set working frequency. In setting mode, input the frequency you need and click save to finish setting of transmitting and receiving power, SQ, CTCSS and channel interval. Normally the transmitting and receiving frequency will be set the same.

Set channel interval(GBW). The GBW is different in different countries, normally you can choose from two values 12.5 KHz and 25 Khz

Set power. In setting mode, you can choose high or low transmitting power. High transmitting power allows maximum communication distance.

Set SQ. Normal SQ value is from 1 to 8. 1 means highest SQ but with maximum noise. 8 is lowest SQ but with minimum noise.

Set CTCSS. It is a simple way of encryption to isolate other same frequency users. If the frequency you select is used by others, you can set CTCSS value from 0 to 38 to avoid interference. At the same time, the recipient needs to adjust the same CTCSS with yours

Only terminals with same frequency and CTCSS can communicate

Set to default allows you save the current settings. You can use this setting next time you enter the walkie talkie interface

6. Talking over walkie talkie

Place the phone close to your mouth

Press PTT key and speak into microphone (At the base on the phone). Keep the microphone 2.5cm to 5cm away from your mouth. Release the PTT key after you have concluded your dialogue.

The walkie talkie will recieve audio as long as the PTT button is not pressed.

In the walkie talkie application ,If you the press HOME key, the walkie talkie will still run in the background. In background state, there will be an icon in the tool bar. You will still be able to operate the walkie talkie mode in this state.

To quit the walkie talkie, you need to launch the walkie talkie application and press BACK key. It will show an option to quit or not.
Press Yes to quit

Or you can press OPTION key in walkie talkie interface and click quit walkie talkie
In walkie talkie interface, press volume key to adjust the volume

7. NFC

The device supports NFC. Operation by:
1. Enter Settings-More-NFC and select NFC ON.
2. Move the device close to an NFC tag, there will be a tone if reading has succeeded.
3. Place the Defender near a NFC tag, related profiles or applications will be launched

NFC tag: You can define the NFC tag function by writing contents in NFC tag (read/write type). As long as gently touched, it will open programs or related scene mode.

Warranty

This limited warranty shall apply to thetoughphone product. Thetoughphone warrants that the product is at the time of its original purchase shall be free from defects in materials and workmanship.

THIS LIMITED WARRANTY DOES NOT AFFECT YOU STATUTORY RIGHTS.

Full warranty details and terms and conditions of use can be found at www.thetoughphone.com.
On the site you can register your warranty and start any warranty procedure. PROOF OF PURCHASE is required in claiming this limited warranty. The warranty is for 24 months from the date of original purchase for the device and 6 months for other accessories including battery.

DO NOT ATTEMP TO OPEN THE DEVICE AS THIS WILL VOID THE WARRANTY.

Safety Information

To ensure correct use of the handset please read following information carefully before use.

To prevent electric shock, fire and possible explosion.

Do not use a damaged power cord or plug or use a loose power outlet
Do not touch the power cord with wet hands or disconnect the charger by pulling cord
Do not use the phone while it is charging or touch the phone with wet hands in order to avoid short-circuit
Do not use chargers unauthorized by the manufacturer to charge the battery
Do not use damaged or leaking battery. Contact nearest authorized service center for replacement.

Avoid extreme high or low temperature conditions

Turn off the phone in potentially explosive environments

Turn off the phone in potentially explosive environments
In potentially explosive environments, always comply with regulations, instructions and signs
Do not use the phone near oil station stations (service stations) or near flammable materials, chemicals and explosive areas
Do not put the phone or accessories together with flammable liquids, gases, or explosive materials
It is illegal to use the phone on an airplane. The phone may interfere with the aircraft's electronic navigation
Vehicle electronic equipment may be interfered by phone radio frequency. Please contact with phone manufacturer

Please comply with safety warnings and regulations when driving. Safe driving is your responsibility. The law prohibits the use of a phone while driving.

Proper care

Humidity and liquids may damage the phone parts or electronic circuits
If water gets inside, remove the battery, do not turn the phone on, use a towel to wipe dry and leave for a day until attempting to turn the handset on.
Please do not open the back cover in dusty conditions to avoid dust ingress
Please do not leave the phone exposed to direct sunlight environment, ie a car dashboard
Do not put the phone near water heaters, microwaves, hot cooking equipment, or high pressure containers
Do not over charge the battery. Try not to exceed a 10 hour charge.
Unused batteries will discharge and must be recharged before use
Disconnect the power when charger is not required

Use only the manufacturer battery, charger and spare parts

Using third party chargers may shorten the phone life or cause the phone to breakdown
We are not responsible for safety of users if unauthorised accessories are used.

When using the phone

Keep the device upright, like a traditional phone
Speak to the microphone directly
Hold the phone lightly, avoid pressing key heavily, use special functions to reduce times to press the key, stop use frequently

Don't disassemble, modify or repair phone

Warranty is void if you change or modify the phone. Take the phone to service center for repair
Do not disassemble your phone.
Do not paint your phone. Paint may block spare parts and prevent normal use of the phone

Other Considerations

Please don't use the phone if screen is cracked or broken. Broken glass may be harmful.
Please back up important data. If data lost, we are not responsible for it.

Please do not distribute copyright-protected content to others without the copyright holder's permission. It will violate copyright laws. The manufacturer is not responsible to result of copyright violations.

Learn more

Learn more information about the Defender phone please visit www.thetoughphone.co.uk

The Tough Phone is not responsible for any results caused by incorrect use of device or not following the above recommendations.

Statement

All content and services of the device belongs to third party that are protected by copyright, patent, trademark and other intellectual property laws. Such content and services is only for personal non-commercial use. Without content owner or service provider licenses, you may not use any content or services. Also, unless the application content or service provider expressly permitted, you may not change, copy, republish, upload, email, transmit, translate, sell, build or develop derived works in any way. We don't provide any express or suggest to the content and services for any purpose. We disclaim that our company doesn't undertake any implied guarantee or terms or conditions that is recognized by statute, common law or other ways(including, but not limited to, merchantability or fitness for a particular purpose), even advised of the possibility of such damages, whether it is in contract or tort, any direct, indirect, incidental, special or consequential loss or damages incurred fees, or any result by use of third part content and services. We don't guarantee the accuracy, validity, timeliness, or legality of third part content and services. Third part services may be terminated or interrupted at any time and doesn't take any responsibility. Content and services which is provided by third part are transmitted by network and transmitting equipment that is out of their control. In addition to the general disclaimer, we are also not responsible to any interruption or delay of the content and services.
We have no responsibility or obligations to customer service related to the content and services. Only service provider is responsible to service requirement.